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## WHAT IS CLAIMED IS:

1. A process for producing a non-toxic aromatic oil having less than one mutogenicity index comprising the steps of:

pre-blending an extract from a lube plant and a
distillate in a feed tank; and

hydrotreating said pre-blend feed in the next stage.

2. A process for producing a non-toxic aromatic oil having a mutogenicity index of less than one comprising the steps of:

mixing a suitable grade, calculated amount of an extract stream to a distillate stream of desired properties; and

treating said pre-blend feed in a hydrotreator.

- 3. The process of Claim 1 wherein said extract is selected from the group consisting of different cuts of extracts of a lube plant.
- 4. The process of Claim 1 wherein said distillate is selected from the group consisting of different cuts of distillates of a vacuum distillation unit.
  - 5. The process of Claim 1 wherein the proportion of said extract component to said distillate in said pre-blend is in the range of 1-99 %.

- 6. The process of Claim 5 wherein the proportion of said extract component in said pre-blend is in the range of 1 50%.
- 7. The process of Claim 1 wherein said hydrogenation of said

  feed uses an appropriate hydrotreating catalyst selected

  for example from the group consisting of Nickel
  Molybdenum and Nickel-Cobalt.
  - 8. The process of Claim 1 wherein said hydrotreating process is performed at a pressure in the range of 400-3000 psi, and at a temperature in the range of 400-800 °F.
  - 9. The process of Claim 8 wherein said hydrotreating process is performed at a pressure in the range of 900-1200 psi, and at a temperature in the range of 400-800 °F.
  - 10. The process of Claim 8 wherein said hydrotreating process is performed at a pressure in the range of 400-3000 psi, and at a temperature in the range of 510-610  $^{\circ}F$ .
  - 11. The process of Claim 1 wherein said hydrotreating process is performed at a pressure in the range of 900-1200 psi, and at a temperature in the range of 510-610 °F.

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